

CRANES

Fatal occupational injuries involving cranes¹, 1997-2006

Characteristics	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Total	97	93	80	90	72	80	62	87	85	72
State of incident										
Alabama	-	3	-	-	4	3	-	3	-	-
Arizona	-	-	3	3	-	-	-	-	-	-
Arkansas	-	-	5	-	-	-	-	-	-	-
California	6	9	7	4	4	5	-	12	5	7
Florida	4	4	5	5	4	5	3	7	9	8
Georgia	3	4	-	5	5	6	-	3	-	-
Illinois	3	5	3	3	4	3	-	-	3	-
Indiana	6	-	3	-	-	-	-	-	-	-
Iowa	-	-	3	-	-	-	-	-	-	-
Kansas	-	-	3	-	-	3	-	-	-	-
Kentucky	-	-	-	-	3	-	-	-	-	-
Louisiana	6	7	4	4	-	-	8	3	3	3
Maryland	-	-	-	4	6	4	-	-	-	-
Michigan	9	-	-	5	-	-	4	6	-	4
Minnesota	-	-	-	-	-	-	-	-	3	-
Missouri	-	-	-	-	3	-	-	3	4	-
Nebraska	-	-	3	-	-	-	-	-	-	-
New Jersey	-	-	-	-	-	-	-	5	3	-
New York (including N.Y.C.)	-	3	4	-	3	6	-	5	-	-
New York City	-	-	3	-	-	3	-	-	-	-
North Carolina	7	-	-	-	-	4	-	4	-	-
Ohio	9	6	3	5	-	-	4	-	-	3
Pennsylvania	6	-	-	5	-	3	5	-	5	3
South Carolina	-	4	-	-	-	-	-	-	-	-
Tennessee	-	5	-	3	-	-	3	-	3	-
Texas	11	14	5	11	7	6	7	9	14	12
Utah	3	-	-	-	-	-	-	-	-	-
Virginia	4	-	4	-	4	-	-	-	3	3
Washington	-	-	-	-	-	3	3	-	-	-
West Virginia	5	-	-	-	-	-	-	-	-	4
Employee status										
Wage and salary workers ²	95	83	78	88	65	78	59	81	78	71
Self-employed ³	-	10	-	-	7	-	3	6	7	-
Sex										
Men	95	92	79	90	72	78	62	86	83	72
Age										
18 to 19 years	4	-	4	-	-	-	3	-	-	-
20 to 24 years	8	10	7	8	6	7	4	9	7	5
25 to 34 years	26	15	18	25	17	16	14	12	20	15
35 to 44 years	23	22	29	29	18	21	16	21	16	18
45 to 54 years	23	28	8	15	17	17	13	26	24	17
55 to 64 years	11	13	11	9	8	16	6	16	10	12
65 and over	-	4	3	-	4	-	5	-	7	-
Race or ethnic origin⁴										
White	67	67	59	63	53	58	49	61	52	47
Black or African American	15	13	11	4	7	4	6	8	9	4
Hispanic or Latino	12	11	7	18	10	15	5	15	20	18
Asian, Native Hawaiian or Pacific Islander	-	-	-	4	-	-	-	-	-	-
Other races or not reported	3	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

CRANES

Fatal occupational injuries involving cranes¹, 1997-2006 — Continued

Characteristics	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Event or exposure⁵										
Transportation incidents	16	12	5	11	6	5	6	-	10	7
Highway	-	-	-	-	4	-	-	-	-	3
Noncollision	-	-	-	-	3	-	-	-	-	-
Jack-knifed or overturned--no collision	-	-	-	-	3	-	-	-	-	-
Nonhighway (farm, industrial premises)	6	7	-	6	-	-	-	-	4	-
Noncollision accident	5	4	-	6	-	-	-	-	3	-
Overturned	3	3	-	3	-	-	-	-	-	-
Worker struck by vehicle, mobile equipment	8	3	-	4	-	-	-	-	4	-
Worker struck by vehicle, mobile equipment in parking lot or non-road area	6	-	-	4	-	-	-	-	4	-
Contact with objects and equipment	47	45	48	53	37	45	40	66	57	44
Struck by object	36	33	36	43	26	36	32	58	41	36
Struck by falling object	27	24	25	32	19	26	26	43	27	30
Struck by flying object	-	-	-	3	-	3	-	-	-	-
Struck by dislodged flying object	-	-	-	-	-	3	-	-	-	-
Struck by swinging or slipping object	8	-	5	3	4	4	4	9	9	4
Caught in or compressed by equipment or objects	11	11	10	6	10	8	8	6	14	8
Caught in running equipment or machinery	5	-	3	3	-	-	-	-	-	-
Compressed or pinched by rolling, sliding, or shifting objects	3	3	-	-	4	-	3	-	7	-
Caught in or crushed in collapsing materials	-	-	-	4	-	-	-	-	-	-
Falls	13	10	6	13	7	15	3	8	3	14
Fall to lower level	13	10	6	13	7	14	3	8	3	14
Fall from scaffold, staging	3	-	-	-	-	-	-	-	-	-
Fall from building girders or other structural steel	-	-	-	-	-	4	-	-	-	-
Fall from nonmoving vehicle	-	3	-	5	-	4	-	3	-	6
Fall to lower level, n.e.c.	9	4	3	7	-	4	-	4	-	5
Exposure to harmful substances or environments	21	25	19	13	21	15	13	11	14	6
Contact with electric current	20	24	19	12	21	14	13	10	14	6
Contact with wiring, transformers, or other electrical component	-	-	-	-	3	-	-	-	-	-
Contact with overhead power lines	17	21	19	10	18	13	13	10	12	4
Primary source⁶										
Vehicles	5	3	-	-	-	4	-	-	5	-
Highway vehicle, motorized	3	-	-	-	-	-	-	-	-	-
Structures and surfaces	14	10	7	15	6	15	6	10	5	14
Floors, walkways, ground surfaces	13	8	6	13	4	13	4	8	3	11
Floors	4	-	-	-	-	-	-	3	-	5
Ground	8	5	4	5	-	10	-	4	-	5
Machinery	49	53	48	46	46	30	35	42	43	31
Material handling (cranes, conveyers, jacks)	47	53	47	46	45	30	35	41	43	28
Cranes	47	53	47	46	45	28	34	39	43	28
Cranes--gantry	-	-	-	-	4	-	-	5	-	-
Cranes--mobile, truck, rail mounted	13	18	26	9	17	6	14	16	15	15
Cranes--overhead	8	9	-	7	7	-	3	8	5	5
Cranes--portal, tower, pillar	-	-	-	4	-	-	-	-	-	-
Parts and materials	22	20	21	21	15	27	16	29	24	22
Building materials--solid elements	5	10	11	16	8	20	9	20	12	12
Bricks, blocks, structural stone	-	-	4	-	-	-	3	5	4	-
Structural stones or slabs, n.e.c.	-	-	4	-	-	-	-	5	4	-
Pipes, ducts, tubing	-	3	-	4	-	-	-	3	-	-
Structural metal materials	3	6	5	9	6	18	3	11	6	8
Bars, rods, reinforcing bar (rebar)	-	-	-	-	-	3	-	-	-	-
Plates, metal panels	-	-	-	-	-	-	-	4	-	3
Hoisting accessories	5	-	-	-	-	-	-	-	-	-
Hoisting accessories, n.e.c.	3	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

CRANES

Fatal occupational injuries involving cranes¹, 1997-2006 — Continued

Characteristics	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Primary source⁶ - continued										
Machine, tool, and electrical parts	7	7	4	3	3	3	3	-	9	9
Electric parts	3	3	4	-	-	-	-	-	-	-
Power lines, transformers, convertors	-	3	4	-	-	-	-	-	-	-
Metal materials--nonstructural	-	-	-	-	-	-	3	-	-	-
Vehicle and mobile equipment parts	-	-	3	-	-	3	-	5	-	-
Containers	5	5	-	6	-	-	-	5	6	-
Containers-nonpressurized	-	-	-	3	-	-	-	4	4	-
Containers-variable restraint	3	3	-	3	-	-	-	-	-	-
Reels, rolls	3	3	-	3	-	-	-	-	-	-
Secondary source⁷										
Vehicles	-	3	-	-	3	-	-	4	3	4
Highway vehicle, motorized	-	-	-	-	-	-	-	-	3	3
Truck	-	-	-	-	-	-	-	-	3	3
Semitrailer, tractor trailer, trailer truck	-	-	-	-	-	-	-	-	3	-
Structures and surfaces	4	8	-	3	4	-	5	3	8	-
Other structural elements	-	-	-	-	-	-	3	-	4	-
Structures	-	5	-	-	3	-	-	-	4	-
Other structures	-	-	-	-	-	-	-	-	3	-
Machinery	47	37	34	44	26	49	26	49	42	45
Material handling (cranes, conveyers, jacks)	47	37	34	43	26	48	26	48	40	45
Cranes	47	37	32	41	26	47	25	47	39	45
Cranes--mobile, truck, rail mounted	12	3	7	7	-	7	5	8	10	11
Cranes--overhead	6	6	5	7	10	10	-	9	6	14
Cranes--portal, tower, pillar	-	3	-	3	-	3	-	5	-	-
Parts and materials	18	24	15	15	21	16	12	13	15	7
Building materials--solid elements	-	3	-	3	4	-	-	-	-	-
Structural metal materials	-	-	-	-	4	-	-	-	-	-
Machine, tool, and electrical parts	18	21	14	10	17	14	12	11	12	6
Electric parts	17	21	14	10	17	13	12	10	12	6
Electrical wiring	-	-	-	3	-	-	-	-	-	-
Power lines, transformers, convertors	17	20	14	7	17	12	12	10	12	6
Other	-	-	7	-	-	-	-	-	-	-
Not reported	24	17	19	24	16	13	16	15	14	14
Worker activity										
Vehicular and transportation operations	11	12	8	8	10	8	8	4	10	9
Driving, operating	5	7	-	5	9	5	4	-	4	5
Industrial or construction vehicle	-	7	-	5	7	5	4	-	4	4
Directing, flagging traffic	3	-	-	-	-	-	-	-	3	-
Using or operating tools, machinery	30	29	25	20	18	16	19	28	21	18
Operating heavy equipment	25	28	20	14	15	14	18	23	18	15
Crane	24	26	18	13	13	12	15	21	18	15
Welding	3	-	-	4	3	-	-	-	-	-
Logging, trimming, pruning	-	-	4	-	-	-	-	-	-	-
Constructing, repairing, cleaning	35	28	36	42	26	40	22	34	31	32
Construction, assembling, dismantling	18	16	27	24	13	27	14	20	20	20
Constructing, assembling	-	4	13	9	3	9	3	11	3	7
Installing	6	4	4	4	5	3	-	-	4	5
Dismantling, removing	9	5	4	8	3	5	7	5	8	7
Repair, maintenance	13	8	8	14	13	9	5	9	9	10
Repairing	6	5	3	6	5	3	-	-	-	3
Maintenance	3	-	4	5	-	3	-	-	4	-
Adjusting	-	-	-	-	-	-	-	4	3	-

See footnotes at end of table.

CRANES

Fatal occupational injuries involving cranes¹, 1997-2006 — Continued

Characteristics	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Worker activity - continued										
Materials handling operations	10	13	8	11	8	8	9	16	17	10
Holding materials	-	-	-	-	4	-	-	-	-	-
Loading, unloading (packing, unpacking) materials	-	5	6	8	-	3	5	8	11	4
Materials handling, n.e.c.	5	7	-	-	-	-	3	5	3	4
Physical activity⁸, n.e.c.	9	9	-	6	9	5	3	5	6	-
All other activities	-	-	-	3	-	-	-	-	-	-
Activity, n.e.c.	-	-	-	3	-	-	-	-	-	-
Location										
Street or highway	8	13	8	6	11	11	8	4	11	10
Other highway (State or U.S.)	-	-	-	-	-	-	-	-	-	3
Local road or street	-	5	3	-	6	5	-	-	3	-
Road construction ⁹	4	3	-	-	-	4	6	3	6	4
Industrial place or premise	76	63	62	73	52	56	43	73	63	48
Industrial place and premises, unspecified	5	4	-	3	-	-	-	3	-	-
Dockyard	8	-	9	8	3	3	6	4	10	3
Warehouse	-	5	-	3	5	-	-	4	5	-
Construction site	30	28	38	33	17	33	18	30	23	11
Factory, plant	16	11	6	16	11	15	9	21	11	18
Industrial place or premises, nec	5	8	3	-	7	-	-	3	7	10
Other specified place¹⁰	3	8	-	-	3	8	-	4	3	4
River	-	-	-	-	-	-	-	-	-	3
Sea	-	4	-	-	-	-	-	-	-	-
Public building¹¹	-	-	-	3	-	-	-	-	-	-
Farm	-	7	-	-	-	-	-	-	-	-
Private residence¹²	-	-	5	-	4	3	5	3	3	5
Residential construction ¹³	-	-	-	-	-	3	-	3	3	3
Mine, quarry	4	-	-	4	-	-	-	3	-	-
Occupation¹⁴ (BOC)										
Managerial and professional specialty	-	-	-	-	4	3	-	-	-	-
Executive, administrative, and managerial	-	-	-	-	4	-	-	-	-	-
Managers and administrators, n.e.c.	-	-	-	-	4	-	-	-	-	-
Technical, sales, and administrative support	3	-	-	-	-	-	-	-	-	-
Farming, forestry, and fishing	-	5	4	-	-	3	-	-	-	-
Precision production, craft, and repair	34	30	28	35	24	26	-	-	-	-
Mechanics and repairers	18	7	9	12	6	5	-	-	-	-
Mechanics and repairers, except supervisors Vehicle and mobile equipment mechanics, repairers	17	7	9	11	6	5	-	-	-	-
Bus, truck, and stationary engine mechanics ...	7	3	5	7	4	-	-	-	-	-
Heavy equipment mechanics	-	3	-	-	-	-	-	-	-	-
Industrial machinery repairers	6	-	5	7	-	-	-	-	-	-
Machinery maintenance occupations	3	3	-	-	-	-	-	-	-	-
Miscellaneous mechanics and repairers	3	-	-	-	-	-	-	-	-	-
Construction trades	4	-	-	3	-	3	-	-	-	-
Supervisors, construction occupations	13	19	19	18	13	21	-	-	-	-
Supervisors, n.e.c.	3	5	3	5	4	7	-	-	-	-
Supervisors, n.e.c.	3	5	-	5	3	5	-	-	-	-

See footnotes at end of table.

CRANES

Fatal occupational injuries involving cranes¹, 1997-2006 — Continued

Characteristics	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Occupation¹⁴										
(BOC) - continued										
Construction trades, except supervisors	10	14	16	13	9	14	-	-	-	-
Carpenters and apprentices	3	-	4	-	-	3	-	-	-	-
Electricians and apprentices	3	3	3	3	-	4	-	-	-	-
Structural metal workers	-	-	5	4	3	3	-	-	-	-
Extractive occupations	-	3	-	-	-	-	-	-	-	-
Operators, fabricators, and laborers	56	55	45	50	41	46	-	-	-	-
Machine operators, assemblers, and inspectors	7	3	-	9	10	7	-	-	-	-
Machine operators and tenders, except precision	-	-	-	5	-	4	-	-	-	-
Machine operators, assorted materials	-	-	-	3	-	4	-	-	-	-
Fabricators, assemblers, and hand working occupations	6	-	-	4	9	3	-	-	-	-
Welders and cutters	6	-	-	3	7	-	-	-	-	-
Transportation and material moving occupations	21	31	18	27	15	19	-	-	-	-
Motor vehicle operators	4	6	8	4	-	4	-	-	-	-
Truck drivers	4	6	8	4	-	4	-	-	-	-
Material moving equipment operators	17	25	9	21	14	14	-	-	-	-
Operating engineers	-	5	-	-	-	-	-	-	-	-
Crane and tower operators	11	11	8	11	8	11	-	-	-	-
Industrial truck and tractor equipment operators ..	-	-	-	3	-	-	-	-	-	-
Handlers, equipment cleaners, helpers, and laborers ..	28	21	25	14	16	20	-	-	-	-
Construction laborers	21	11	15	8	11	14	-	-	-	-
Freight, stock, and material handlers	-	3	3	-	-	-	-	-	-	-
Laborers, except construction	6	5	6	3	4	5	-	-	-	-
Industry¹⁵										
(SIC)										
Private industry	96	90	77	88	69	78	61	85	83	69
Agriculture, forestry and fishing	-	4	4	-	-	3	-	-	-	-
Agricultural services	-	-	4	-	-	-	-	-	-	-
Mining¹⁶	6	5	-	5	3	-	-	-	-	-
Oil and gas extraction	-	5	-	-	-	-	-	-	-	-
Oil and gas field services	-	5	-	-	-	-	-	-	-	-
Drilling oil and gas wells	-	3	-	-	-	-	-	-	-	-
Nonmetallic minerals, except fuels	4	-	-	-	-	-	-	-	-	-
Construction	47	41	40	42	34	38	-	-	-	-
General building contractors	-	5	-	5	6	7	-	-	-	-
Nonresidential building construction	-	4	-	-	4	4	-	-	-	-
Nonresidential construction, n.e.c.	-	-	-	-	3	-	-	-	-	-
Heavy construction, except building	24	21	15	23	13	14	-	-	-	-
Highway and street construction	-	7	-	3	-	-	-	-	-	-
Heavy construction, except highway	23	13	13	20	13	11	-	-	-	-
Bridge, tunnel, and elevated highway	7	5	5	3	6	6	-	-	-	-
Water, sewer, and utility lines	3	4	4	9	4	-	-	-	-	-
Heavy construction, n.e.c.	13	4	3	8	3	-	-	-	-	-
Special trade contractors	21	15	24	14	15	17	-	-	-	-
Plumbing, heating and air-conditioning	-	3	-	-	-	-	-	-	-	-
Electrical work	3	-	3	-	-	-	-	-	-	-
Masonry, stonework, tile setting, and plastering ..	-	-	3	-	-	-	-	-	-	-
Masonry and other stonework	-	-	3	-	-	-	-	-	-	-
Roofing, siding, and sheet metal work	-	-	3	3	-	-	-	-	-	-
Concrete work	4	-	-	-	-	-	-	-	-	-
Miscellaneous special trade contractors	11	7	11	9	8	9	-	-	-	-
Structural steel erection	-	3	8	5	3	4	-	-	-	-
Special trade contractors, n.e.c.	5	4	-	-	4	-	-	-	-	-
Manufacturing	18	19	15	20	13	20	-	-	-	-
Stone, clay, glass and concrete products	-	-	3	5	-	3	-	-	-	-
Concrete, gypsum, and plaster products	-	-	3	4	-	3	-	-	-	-
Primary metal industries	9	5	3	4	-	5	-	-	-	-

See footnotes at end of table.

CRANES

Fatal occupational injuries involving cranes¹, 1997-2006 — Continued

Characteristics	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Industry¹⁵										
(SIC) - continued										
Blast furnace and basic steel products	5	-	-	-	-	-	-	-	-	-
Blast furnaces and steel mills	4	-	-	-	-	-	-	-	-	-
Iron and steel foundries	3	-	-	-	-	3	-	-	-	-
Fabricated metal products	4	7	-	3	5	8	-	-	-	-
Fabricated structural metal products	-	5	-	-	4	6	-	-	-	-
Fabricated structural metal	-	4	-	-	-	4	-	-	-	-
Transportation equipment	-	-	4	4	3	-	-	-	-	-
Transportation and public utilities	7	6	5	7	7	8	-	-	-	-
Water transportation	3	4	3	6	3	4	-	-	-	-
Water transportation services	3	4	3	6	3	3	-	-	-	-
Marine cargo handling	-	4	-	6	-	3	-	-	-	-
Wholesale trade	7	5	3	7	4	-	-	-	-	-
Wholesale trade-durable goods	7	4	3	5	3	-	-	-	-	-
Metals and minerals, except petroleum	-	4	-	3	-	-	-	-	-	-
Miscellaneous durable goods	3	-	-	-	-	-	-	-	-	-
Scrap and waste materials	3	-	-	-	-	-	-	-	-	-
Services	8	10	7	7	7	5	-	-	-	-
Business services	5	7	4	4	6	4	-	-	-	-
Advertising	-	3	-	-	-	-	-	-	-	-
Miscellaneous equipment rental and leasing	3	-	-	3	4	4	-	-	-	-
Heavy construction equipment rental	3	-	-	3	4	4	-	-	-	-
Government¹⁷	-	3	3	-	3	-	-	-	-	3
Occupation¹⁸										
(SOC)										
Management occupations	-	-	-	-	-	-	-	4	-	-
Other management occupations	-	-	-	-	-	-	-	4	-	-
Construction managers	-	-	-	-	-	-	-	3	-	-
Construction managers	-	-	-	-	-	-	-	3	-	-
Building and grounds cleaning and maintenance occupations	-	-	-	-	-	-	-	-	-	4
Grounds maintenance workers	-	-	-	-	-	-	-	-	-	3
Grounds maintenance workers	-	-	-	-	-	-	-	-	-	3
Construction and extraction occupations	-	-	-	-	-	-	31	30	33	35
Supervisors, construction and extraction workers	-	-	-	-	-	-	6	5	-	5
First-line supervisors/managers of construction trades and extraction workers	-	-	-	-	-	-	6	5	-	5
First-line supervisors/managers of construction trades and extraction workers	-	-	-	-	-	-	6	5	-	5
Construction trades workers	-	-	-	-	-	-	22	24	28	27
Carpenters	-	-	-	-	-	-	3	-	3	-
Carpenters	-	-	-	-	-	-	3	-	3	-
Construction laborers	-	-	-	-	-	-	10	14	12	10
Construction laborers	-	-	-	-	-	-	10	14	12	10
Construction equipment operators	-	-	-	-	-	-	-	-	3	-
Electricians	-	-	-	-	-	-	-	3	-	8
Electricians	-	-	-	-	-	-	-	3	-	8
Structural iron and steel workers	-	-	-	-	-	-	3	5	4	-
Structural iron and steel workers	-	-	-	-	-	-	3	5	4	-
Extraction workers	-	-	-	-	-	-	3	-	-	3
Roustabouts, oil and gas	-	-	-	-	-	-	3	-	-	-
Roustabouts, oil and gas	-	-	-	-	-	-	3	-	-	-
Installation, maintenance, and repair occupations	-	-	-	-	-	-	6	8	9	7
Vehicle and mobile equipment mechanics, installers, and repairers	-	-	-	-	-	-	-	4	-	-

See footnotes at end of table.

CRANES

Fatal occupational injuries involving cranes¹, 1997-2006 — Continued

Characteristics	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Occupation¹⁸										
(SOC) - continued										
Heavy vehicle and mobile equipment service technicians and mechanics	-	-	-	-	-	-	-	3	-	-
Other installation, maintenance, and repair occupations	-	-	-	-	-	-	3	3	5	5
Industrial machinery installation, repair, and maintenance workers	-	-	-	-	-	-	3	-	5	5
Industrial machinery mechanics	-	-	-	-	-	-	-	-	4	4
Production occupations	-	-	-	-	-	-	4	13	9	14
Assemblers and fabricators	-	-	-	-	-	-	-	3	3	-
Metal workers and plastic workers	-	-	-	-	-	-	-	8	4	10
Welding, soldering, and brazing workers	-	-	-	-	-	-	-	6	4	7
Welders, cutters, solderers, and brazers	-	-	-	-	-	-	-	4	4	6
Transportation and material moving occupations	-	-	-	-	-	-	18	27	29	9
Motor vehicle operators	-	-	-	-	-	-	4	-	6	4
Driver/sales workers and truck drivers	-	-	-	-	-	-	4	-	6	4
Truck drivers, heavy and tractor-trailer	-	-	-	-	-	-	4	-	6	4
Material moving workers	-	-	-	-	-	-	13	24	22	5
Crane and tower operators	-	-	-	-	-	-	10	14	11	3
Crane and tower operators	-	-	-	-	-	-	10	14	11	3
Laborers and material movers, hand	-	-	-	-	-	-	-	3	7	-
Laborers and freight, stock, and material movers, hand	-	-	-	-	-	-	-	3	7	-
Industry¹⁹										
(NAICS)										
Private industry	96	90	77	88	69	78	61	85	83	69
Goods-producing	-	-	-	-	-	-	47	71	55	51
Natural resources and mining	-	-	-	-	-	-	8	4	6	8
Mining²⁰	-	-	-	-	-	-	6	3	5	7
Mining (except oil and gas)	-	-	-	-	-	-	-	-	-	3
Nonmetallic mineral mining and quarrying	-	-	-	-	-	-	-	-	-	3
Stone mining and quarrying	-	-	-	-	-	-	-	-	-	3
Support activities for mining	-	-	-	-	-	-	3	-	3	3
Support activities for mining	-	-	-	-	-	-	3	-	3	3
Support activities for mining	-	-	-	-	-	-	3	-	3	3
Support activities for oil and gas operations	-	-	-	-	-	-	3	-	-	3
Construction	-	-	-	-	-	-	31	40	35	26
Construction	-	-	-	-	-	-	31	40	35	26
Construction of buildings	-	-	-	-	-	-	8	12	3	-
Residential building construction	-	-	-	-	-	-	4	-	-	-
Residential building construction	-	-	-	-	-	-	4	-	-	-
Nonresidential building construction	-	-	-	-	-	-	4	10	3	-
Industrial building construction	-	-	-	-	-	-	-	5	-	-
Commercial and institutional building construction	-	-	-	-	-	-	-	5	-	-
Heavy and civil engineering construction	-	-	-	-	-	-	10	10	9	13
Utility system construction	-	-	-	-	-	-	-	6	3	4
Water and sewer line and related structures construction	-	-	-	-	-	-	-	3	-	-
Highway, street, and bridge construction	-	-	-	-	-	-	7	4	5	6
Highway, street, and bridge construction	-	-	-	-	-	-	7	4	5	6
Other heavy and civil engineering construction	-	-	-	-	-	-	-	-	-	3
Other heavy and civil engineering construction	-	-	-	-	-	-	-	-	-	3
Specialty trade contractors	-	-	-	-	-	-	13	17	22	11
Foundation, structure, and building exterior contractors	-	-	-	-	-	-	8	7	12	5
Poured concrete foundation and structure contractors	-	-	-	-	-	-	-	4	-	-

See footnotes at end of table.

CRANES

Fatal occupational injuries involving cranes¹, 1997-2006 — Continued

Characteristics	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Industry¹⁹										
(NAICS) - continued										
Structural steel and precast concrete contractors	-	-	-	-	-	-	6	3	5	-
Nonresidential structural steel and precast concrete contractors	-	-	-	-	-	-	5	-	-	-
Building equipment contractors	-	-	-	-	-	-	-	-	-	3
Other specialty trade contractors	-	-	-	-	-	-	-	7	7	-
Site preparation contractors	-	-	-	-	-	-	-	3	4	-
All other specialty trade contractors	-	-	-	-	-	-	-	3	3	-
Manufacturing	-	-	-	-	-	-	8	27	14	17
Manufacturing	-	-	-	-	-	-	8	27	14	17
Primary metal manufacturing	-	-	-	-	-	-	5	9	-	6
Iron and steel mills and ferroalloy manufacturing	-	-	-	-	-	-	-	3	-	-
Iron and steel mills and ferroalloy manufacturing	-	-	-	-	-	-	-	3	-	-
Foundries	-	-	-	-	-	-	-	-	-	4
Ferrous metal foundries	-	-	-	-	-	-	-	-	-	4
Iron foundries	-	-	-	-	-	-	-	-	-	3
Fabricated metal product manufacturing	-	-	-	-	-	-	-	8	3	5
Architectural and structural metals manufacturing	-	-	-	-	-	-	-	7	-	4
Plate work and fabricated structural product manufacturing	-	-	-	-	-	-	-	6	-	3
Fabricated structural metal manufacturing	-	-	-	-	-	-	-	4	-	-
Machinery manufacturing	-	-	-	-	-	-	-	-	4	-
Agriculture, construction, and mining machinery manufacturing	-	-	-	-	-	-	-	-	3	-
Transportation equipment manufacturing	-	-	-	-	-	-	-	3	-	-
Service-providing	-	-	-	-	-	-	14	14	28	18
Trade, transportation, and utilities	-	-	-	-	-	-	9	12	21	11
Wholesale trade	-	-	-	-	-	-	3	3	5	4
Merchant wholesalers, durable goods	-	-	-	-	-	-	3	3	3	3
Retail trade	-	-	-	-	-	-	-	3	-	-
Transportation and warehousing	-	-	-	-	-	-	4	5	14	4
Truck transportation	-	-	-	-	-	-	-	-	4	-
General freight trucking	-	-	-	-	-	-	-	-	3	-
Support activities for transportation	-	-	-	-	-	-	3	3	7	-
Support activities for water transportation	-	-	-	-	-	-	3	3	6	-
Marine cargo handling	-	-	-	-	-	-	3	3	6	-
Professional and business services	-	-	-	-	-	-	-	-	7	4
Administrative and waste services	-	-	-	-	-	-	-	-	7	3
Administrative and support services	-	-	-	-	-	-	-	-	5	3
Employment services	-	-	-	-	-	-	-	-	3	-
Other services, except public administration	-	-	-	-	-	-	3	-	-	-
Other services, except public administration	-	-	-	-	-	-	3	-	-	-
Repair and maintenance	-	-	-	-	-	-	3	-	-	-

See footnotes at end of table.

CRANES

Fatal occupational injuries involving cranes¹ , 1997-2006 — Continued

Characteristics	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Industry¹⁹ (NAICS) - continued										
Government¹⁷	-	3	3	-	3	-	-	-	-	3

¹ Includes fatalities where the source of the injury was a crane, where the secondary source of the injury was a crane, or where the worker activity was operating a crane.

² May include volunteers and workers receiving other types of compensation.

³ Includes self-employed workers, owners of unincorporated businesses and farms, paid and unpaid family workers, and may include some owners of incorporated businesses or members of partnerships.

⁴ Persons identified as Hispanic or Latino may be of any race. The racial categories shown exclude data for Hispanics and Latinos.

⁵ Based on the 1992 BLS Occupational Injury and Illness Classification Manual.

⁶ The primary source of injury identifies the object, substance, or exposure that directly produced or inflicted the injury. For most transportation incidents, the primary source identifies the vehicle in which the deceased was an occupant. For most falls, the primary source identifies the surface or object contacted.

⁷ The secondary source of injury, if any, identifies the object, substance, or person that generated the source of injury or that contributed to the event or exposure. For vehicle collisions, the deceased's vehicle is the primary source and the other object (truck, road divider, etc.) is the secondary source. For most homicides, the "bullet" is the primary source and the "perpetrator" is the secondary source. For most falls, the secondary source identifies the equipment or surface from which the worker fell.

⁸ Includes, but is not limited to, walking, sitting, running, and climbing ladders or stairs.

⁹ The road construction location category was implemented in 1995. Includes road construction workers and vehicle occupants fatally injured in work zones. Work zones include construction, maintenance, and utility work on a road, street, or highway.

¹⁰ Primarily includes outdoor areas such as bodies of water, woods, noncultivated fields, and parking lots.

¹¹ Includes buildings and adjacent grounds used by the general public or a particular group, such as hotels, restaurants, stores, office buildings, courthouses, and schools.

¹² Private residence fatalities primarily occurred to repair or maintenance workers, police while on duty, firefighters, or residential construction workers.

¹³ The residential construction location category was implemented in 1998.

¹⁴ Based on the 1990 Occupational Classification System developed by the Bureau of the Census.

¹⁵ Classified according to the *Standard Industrial Classification Manual, 1987*.

¹⁶ Includes fatalities at all establishments categorized as Mining (Division B) in the Standard Industrial Classification Manual, 1987 Edition, including establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in Oil and Gas Extraction.

¹⁷ Includes fatalities to workers employed by governmental organizations regardless of industry.

¹⁸ Based on the 2000 Standard Occupational Classification system.

¹⁹ Based on the North American Industry Classification System, 2002.

²⁰ Includes fatalities at all establishments categorized as Mining (Sector 21) in the North American Industry Classification System, 2002, including establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in Oil and Gas Extraction.

NOTE: Totals for all years are revised and final. Totals for major categories may include subcategories not shown separately. Dashes indicate no data reported or data that do not meet publication criteria. N.e.c. means "not elsewhere classified."

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with State, New York City, District of Columbia, and Federal agencies, Census of Fatal Occupational Injuries